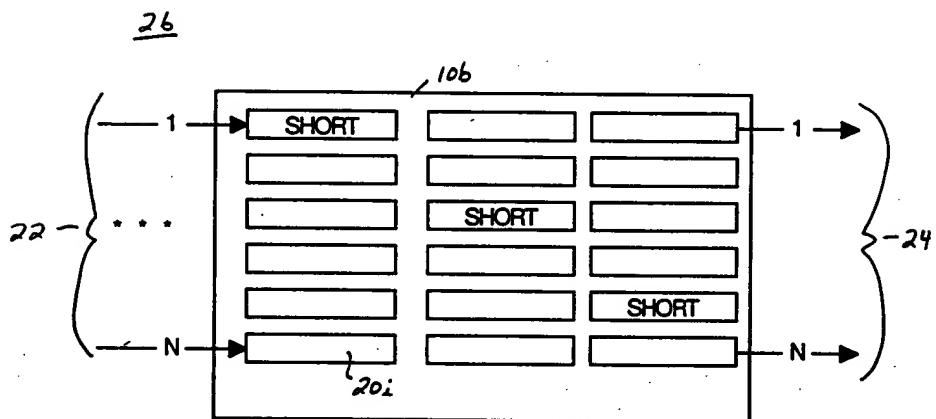


**FIG 1A**



**FIG 1B**

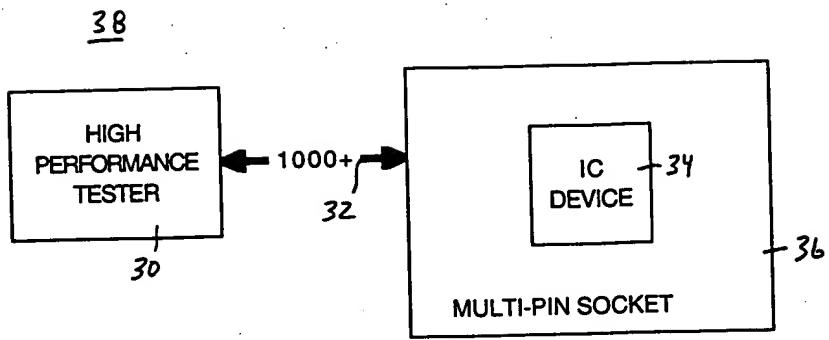


FIG. 1C

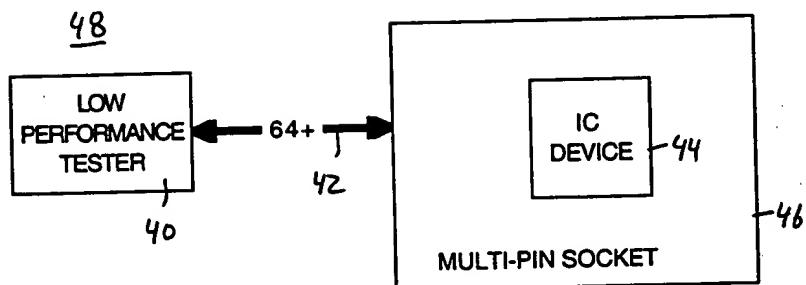
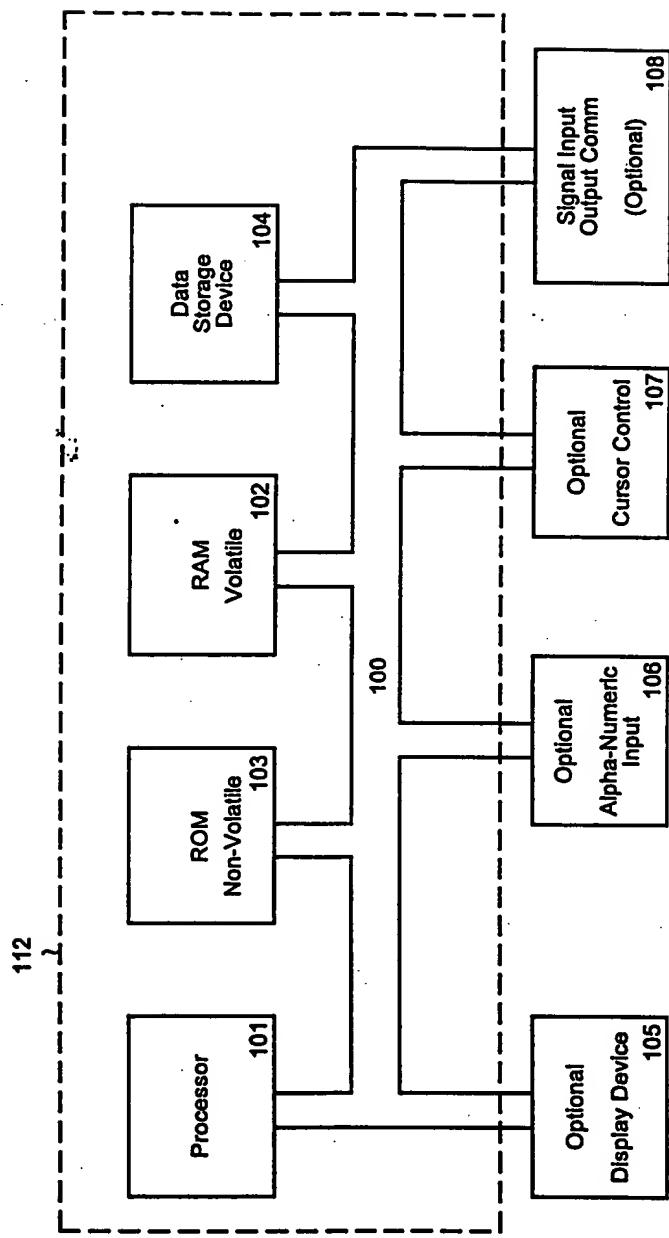
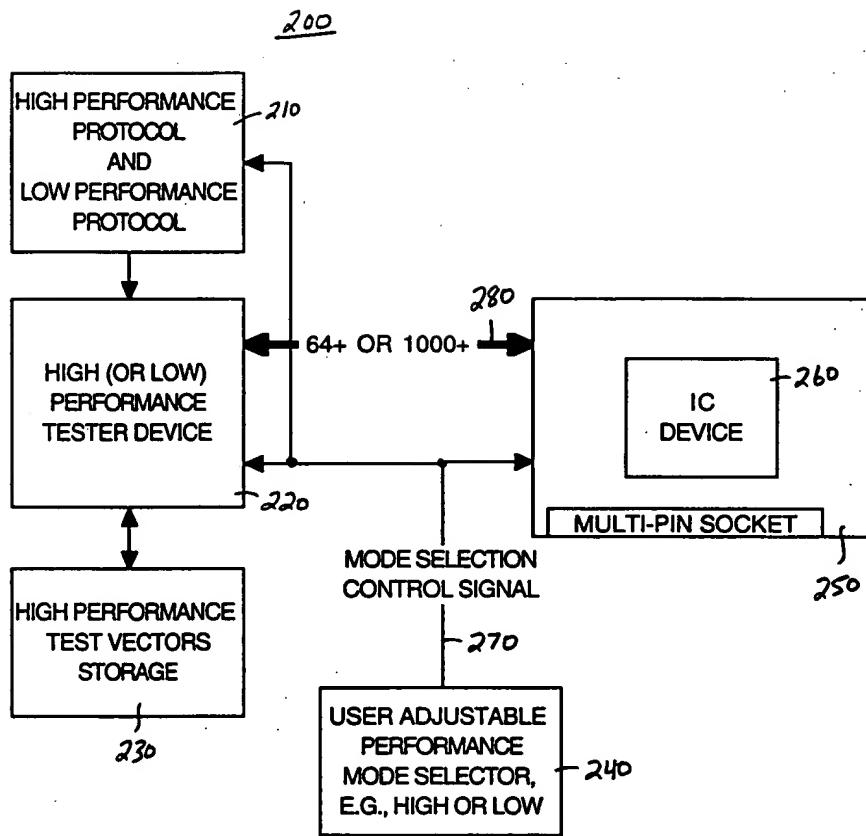


FIG. 1D

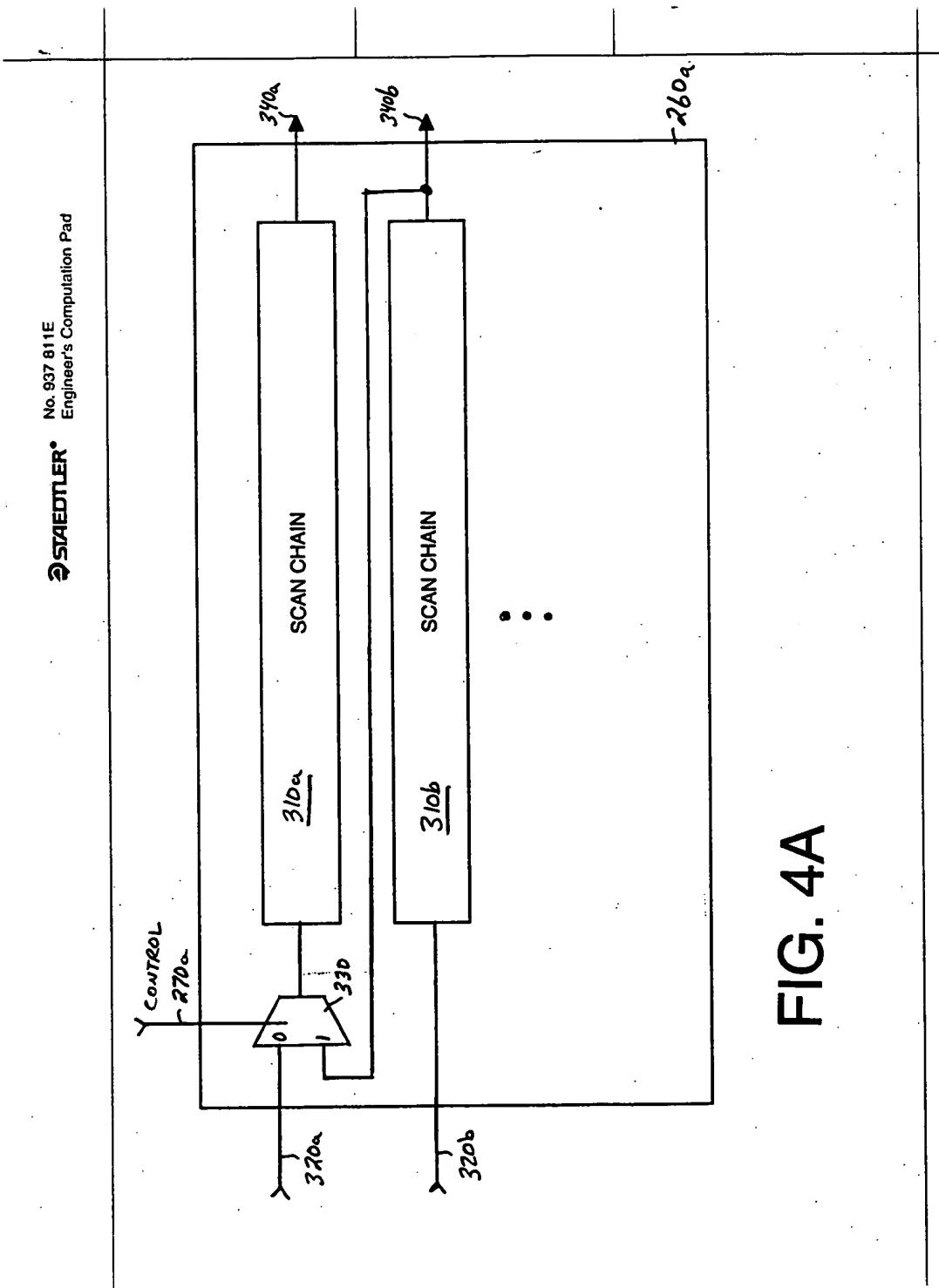
**FIG. 2**





**FIG. 3**

**STAEDTLER®** No. 937 811E  
Engineer's Computation Pad



**FIG. 4A**

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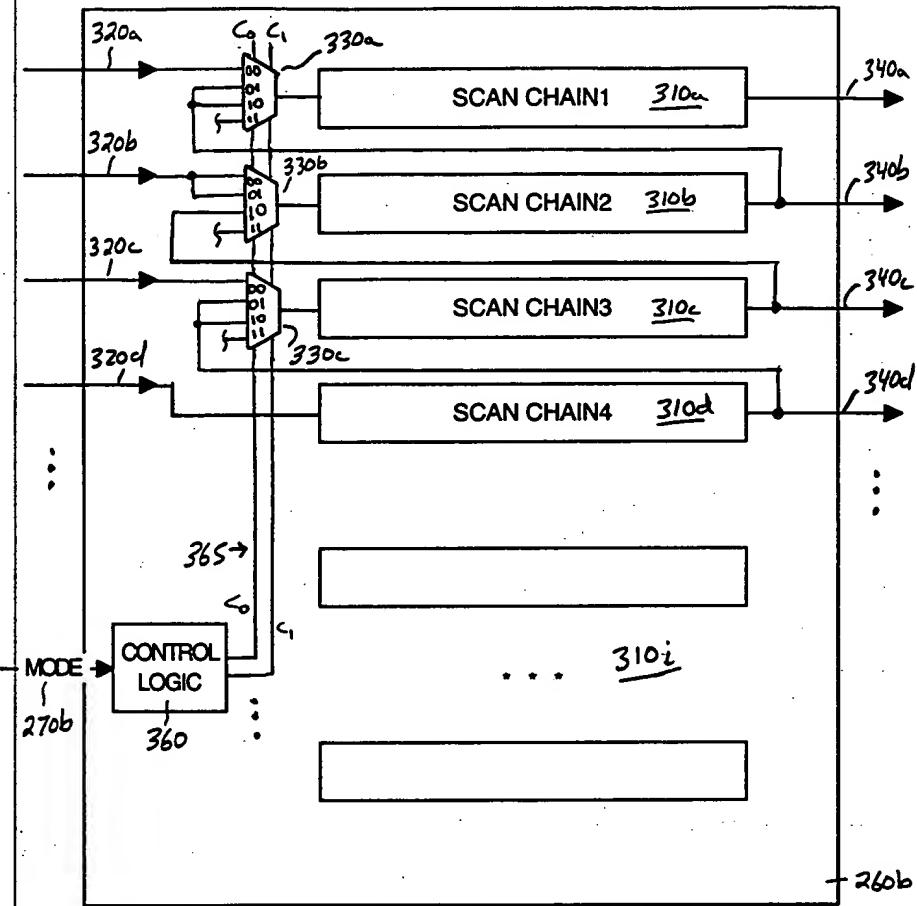
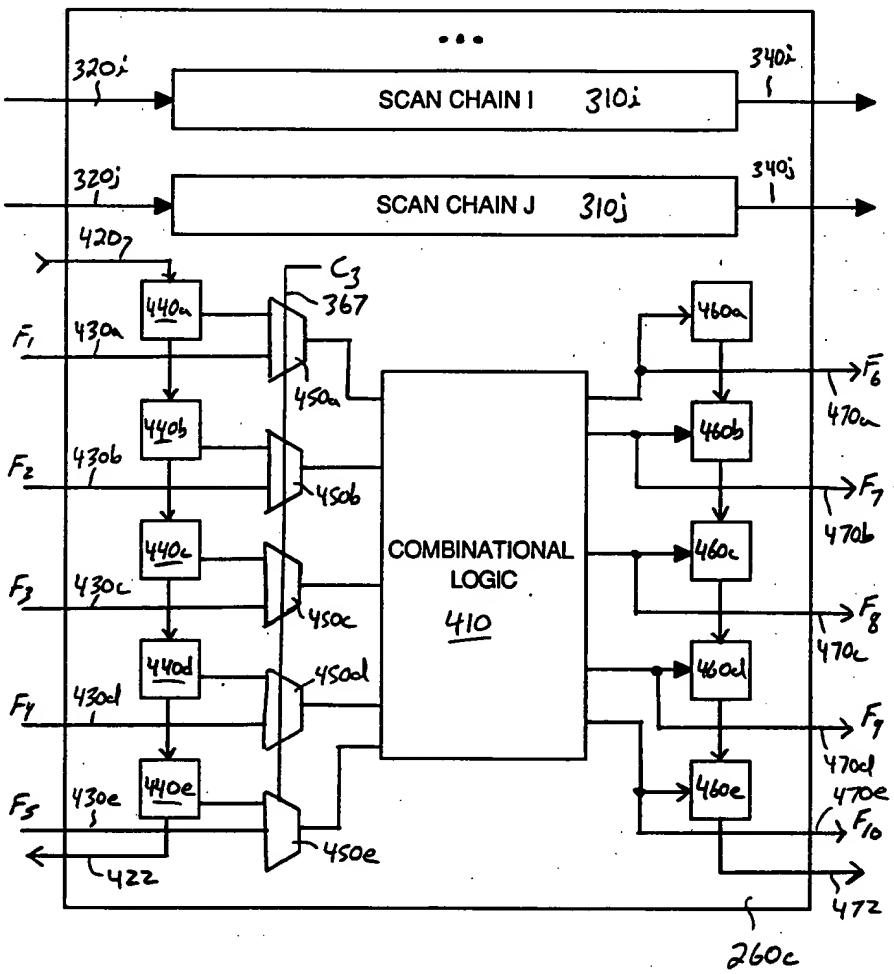


FIG. 4B



**FIG. 5**

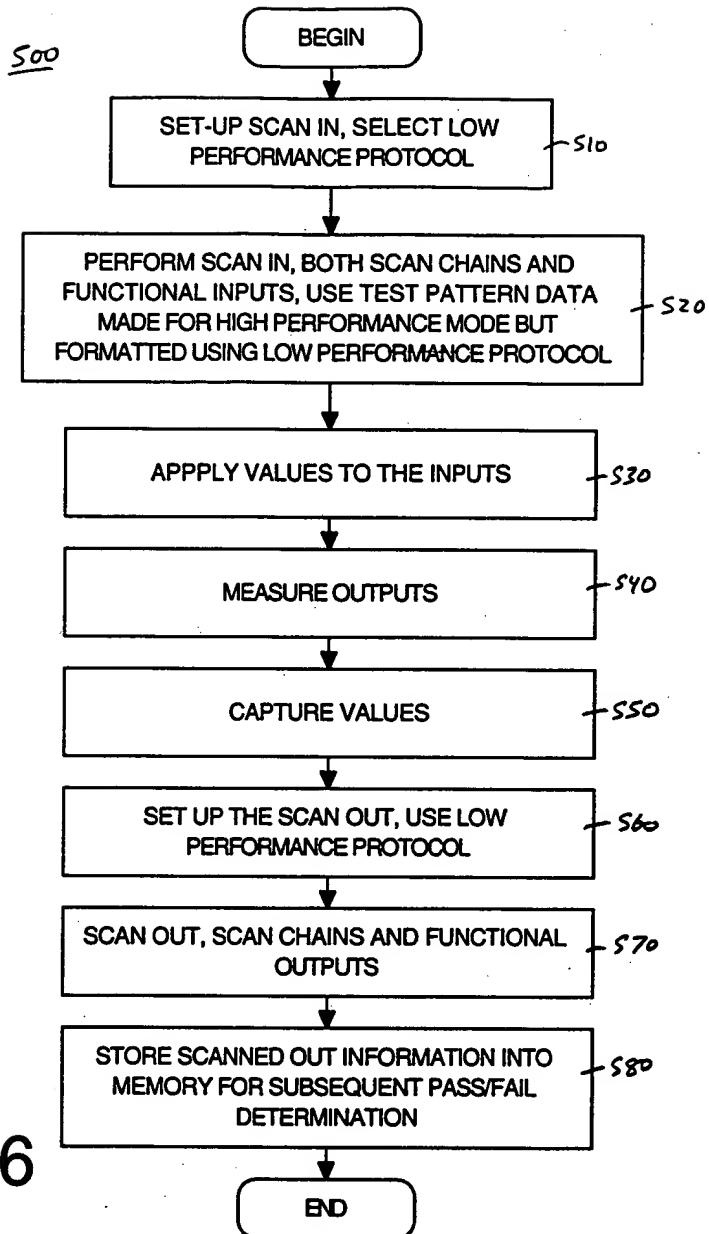


FIG. 6

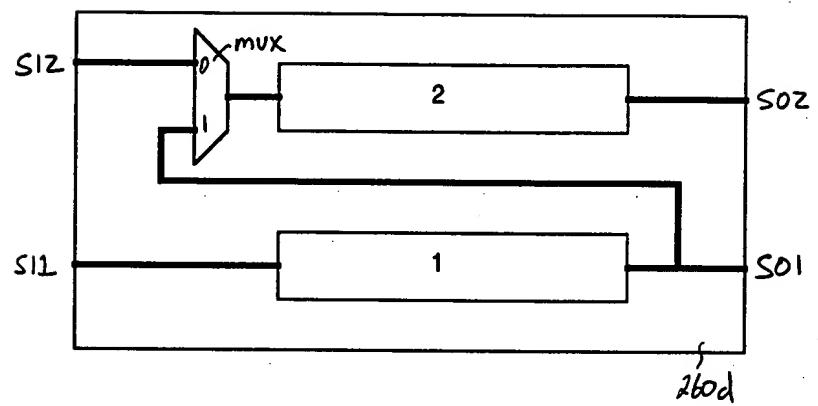


FIG. 7A

600

```
MacroDefs /  
Do_one_test /  
W normal_timing:  
C { scan_enable = 1; control_inputs = 'control_inputs';}  
If( reconfig_signal == many_inputs )  
{  
    Shift / V / s11 = 's11'; s12 = 's12'; so1 = 'so1_p'; so2 = 'so2_p'; clk = P; }  
    ↴ 640  
C / scan_enable = 0; }  
V / func_inputs = func_inputs; func_outputs = 'func_outputs'; } ← 650  
If( reconfig_signal == few_inputs )  
{  
    Shift / V / s11 = 's11'; s12 = 's12'; so2 = 'so2_so1'; } ← 660  
        funcIn = 'func_inputs'; funcOut = 'func_outputs'; clk = P; } ← 670  
    ↴ 620  
C / scan_enable = 0; }  
V / clk = P; } ← 680  
    ↴ 610
```

FIG. 7B